

## ABSTRACT

This invention relates to a method for analysing pressure-signals derivable from pressure measurements on or in a body of a human being or animal, comprising the steps of identifying during given time sequences in a series of time sequences 5 the single pressure waves, including related parameters [pressure amplitude  $\Delta P$ , latency ( $\Delta T$ ), rise time coefficient ( $\Delta P/\Delta T$ )], determining numbers of single pressure waves with pre-selected combinations of two or more of said single pressure wave parameters during said time sequence. For the time sequences is further determined the balanced positions of single wave parameters. Two- 10 dimensional values of balanced position may be presented as a one dimensional value after weighting of the matrix cells. The signal processing method may be used for more optimal detection of single pressure waves by means of non-invasive sensor devices.

Figure 1.